

Yeshu Agarwal

+91 9354872684 | work.yeshuagarwal@email.com | LinkedIn | Github | Leetcode

EXPERIENCE

- Tech Co-Lead, UX Club** VIT Bhopal, IN, Jan 2024 – Present
 - Collaborated with a cross-functional team to plan and develop few web promotional website for club events using React.js, Next.js, Tailwind CSS, and Framer Motion, deployed via Vercel for seamless accessibility.
 - Led development of a high-traffic site with 2000+ unique viewers, achieving good conversion rates through UI/UX optimizations and performance enhancements.
 - Partnered with design and content teams to deliver pixel-perfect UI with engaging animations, fostering effective communication and iterative feedback.
 - Facilitated team collaboration by organizing planning sessions, assigning tasks based on strengths, and resolving technical challenges to meet project deadlines.

PROJECTS

- WhisperLink** *Backend Project* Node.js, MongoDB, AWS
 - Developed an anonymous text and audio message platform
 - JWT-based authentication & session management is handled with secure HTTP-only cookies
 - Link Lifecycle Management: soft delete & hard delete (A scheduled CRON job)
 - Integrated AES-256-CBC encryption for all messages (text), ensuring complete data privacy
 - Built audio messaging system using AWS S3 with pre-signed URLs
- Load Balancer** *Backend Project* Golang, Redis
 - Go-based Round-Robin and Weighted Round-Robin load balancers algorithm
 - Fetches the IP address and port number & features Sticky Session support using UUID & Redis
 - Periodically verifies server health, skipping unhealthy servers.
 - Uses Redis to store session IDs, ensuring requests with the same session ID cookie are routed to the same backend server.

TECHNICAL SKILLS

- Programming Languages:** JavaScript, Golang, TypeScript, SQL, C++
- Backend Technologies & Databases:** Express.js, Node.js, RESTful API, GraphQL, MongoDB, MySQL, PostgreSQL, Redis, Kafka
- Cloud & DevOps:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Docker
- Fundamentals & Tools:** System Design, DBMS, Networking, Data Structures & Algorithms, GitHub, Postman, Linux, Cryptography

EDUCATION

- VIT Bhopal University – CGPA: 8.63** Bhopal, IN
B.Tech - Computer Science and Engineering (Cloud Computing and Automation) Sep 2023 – May 2027

ACHIEVEMENTS

- Smart India Hackathon (SIH) 2024 SemiFinalist: Advanced to national semifinals after clearing competitive college-level rounds, developing innovative software solutions for real-world problems.
- From 2.6+ Lakh Teams to Top 4K, successfully made till the Round 2 of the Adobe India Hackathon!
- Solved 100+ problems on Leetcode.